

Sobolev, Yu. P.

539.164 : 539.162.1
 5599. ALPHA-DECAY OF Pu^{240} N. Kondrat'ev, G. I. Novikova,
 Yu. P. Sobolev and L. I. Gordin. Zh. eksper. teor. fiz., Vol. 31, No. 5(11), 771-4 (1956). In Russian.
 Results of investigation of the α -spectrum of Pu^{240} using an
 α -spectrometer are described. The α -spectra and level scheme of
 the U^{238} nucleus are presented. The parameters of the 4_+ level were
 determined with greater precision than previously; an α -line cor-
 responding to transition to the 6_+ level has been detected for the
 first time and the parameters of this level were measured. Two
 weak lines have been detected which can be attributed to α -decay
 of Pu^{240} . The experimental values for the intensity of the 0_+ , 2_+ ,
 4_+ and 6_+ levels are compared with Landau's theoretical formula.

Nov 56

4

RM

RM

PHASE I BOOK EXPLOITATION 963

Panov, Vladimir Vladimirovich and Sobolev, Yuriy Sergeyevich

Smazochnyye masla dlya aviatsionnykh gazoturbinnnykh dvigateley (Lubricants For Aircraft Turbine Engines) Moscow, Gostoptekhnizdat, 1958. 94 p. 4,000 copies printed.

Ed.: Yeffimova, T.D.; Tech. Ed.: Solomonidin, S.M.

PURPOSE: This book is intended for scientists, engineers, and technicians participating in the study, testing, manufacture, and application of lube oils for aircraft gas turbine engines.

COVERAGE: The authors review the achievements in the field of gas turbine lubrication. They discuss physicochemical properties of the basic types of petroleum and synthetic oils and consider current trends in the search for high grade oils for gas turbine engines. An analysis is made of the application of lubricating oils, their requirements, their performance, and changes which occur in them due to working conditions. The authors thank B.I. Frankenshteyn, B.D. Zaloga, and L.I. Saranchuk for advice and critical comments. Chapters 1 and 2 of this book were written by Yu.S.Sobolev, and Chapters 3, 4, and 5 by V.V.Panov. There are 31 tables, 27 figures, and 73 references of which 46 are Soviet, 26 English,

Card 1/5

Lubricants For Aircraft Turbine (Cont.)

963

and 1 German.

TABLE OF CONTENTS:

Preface

3

Introduction

5

Ch. 1. Purpose and Working Conditions of Oils in Gas Turbine Engines
 Lubrication system in a gas turbine engine
 Conditions for the application of lubricants in the main joints of
 gas turbine engines

7
 12

Ch. 2. Oil Specifications for Gas Turbine Engines
 Oxidation stability at high temperatures

24
 24

Pumpability at low temperatures

25

Wear-resistance properties

26

Volatility, corrosive properties, foaming, and other specifications for oils

27
 30

Ch. 3. Petroleum Oils

Card 2/3

SOV/124-58-8-8388

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 6 (USSR)

AUTHORS: Yershov, B.A., Sobolev, Yu.S.

TITLE: Stability Criteria for Nonlinear Dynamic Systems Subjected to Large Initial Perturbations (Primery ustoychivosti v bol'shom nekotorykh dinamicheskikh sistem)

PERIODICAL: Uch. zap. LGU, 1957, Nr 217, pp 17-21

ABSTRACT: Some criteria are adduced for the stability of nonlinear systems subjected to large initial perturbations. The evolution of these stability criteria is based on certain considerations put forth by S.A. Stebakov (Dokl. AN SSSR, 1954, Vol 95, Nr 3). We cite one of the criteria as an example. Conditions sufficient for the asymptotic stability of the system

$$\dot{x}_i = f_i(x_i, x_{i-1}) A_i x_i + B_i x_{i-1} + \phi_i(x_i, x_{i-1}) \quad (i=1, \dots, n)$$

wherein

$$A_i = \left(\frac{\partial f_i}{\partial x_i} \right)_{x_i=0, x_{i-1}=0}, \quad B_i = \left(\frac{\partial f_i}{\partial x_{i-1}} \right)_{x_i=0, x_{i-1}=0}$$

Card 1/2

SOV/124-58-8-8388

Stability Criteria for Nonlinear Dynamic Systems (cont.)

are given by the inequalities

$$\left| \frac{\partial f_i}{\partial x_i} / \frac{\partial f_i}{\partial x_{i-1}} \right| > \left| \frac{A_i}{B_i} \right|$$

$$A_i < 0, \quad \prod_{i=1}^n \left| \frac{A_i}{B_i} \right| > 1$$

Reviewer's comment: The proofs adduced in the paper are incomplete. For some of the systems examined (example 3) the literature contains more general stability criteria. Replacing the standard terminology associated with the second Lyapunov method by such terms as " Ω -shell", "inward conductivity", etc., is deemed unjustified, inasmuch as the problems considered by the author are well within the ambit of the ordinary Lyapunov stability problems.

N.N. Krasovski

Card 2/2

SOBOLEV, Yu.S. (Leningrad)

Absolute stability of certain control systems [with summary in English]. Avtom. i telem. 20 no.4:401-405 Ap '50.

(MIRA 12:5)

(Automatic control)

SOBOLEV, Yu.S.; KHOKHLOV, K.K., otv. red.; BLANK, M.G., red.

[Calculating statically indeterminate frames by the
method of forces; manual for carrying out practical
studies in the course on the resistance of materials]
Raschet staticheskii neopredelimykh ram metodom sil; ru-
kovodstvo k vypolneniiu prakticheskikh zadaniy po kursu
soprotivleniia materialov. Moskva, Mosk. lesotekhn. in-t
1963. 68 p. (MIRA 17:5)

SOBOLEV, Yu.S., assistant

Plane problem in the theory of elasticity for wood as a transverse
isotropic material. Nauch. trudy MITI no.8:5-15 '58.

(MIRA 13:3)

(Elasticity) (Wood)

SAMUYLLO, V.O., dots. kand. tekhn. nauk; SOBOLEV, Yu.S., assistant

Elastic constants for wood. Nauch. trudy MFTI no.8:16-35 '58.
(MIRA 13:3)

(Wood) (Elasticity)

SOBOLEV, Yu. S., Candidate Tech Sci (diss) -- "Investigation of the elasticity constants of wood". Moscow, 1959. 11 pp (Min Higher Educ USSR, Moscow Forestry Engineering Inst), 125 copies (KL, No 23, 1959, 168)

KHOKHLOV, K.K.; SOBOLEV, Yu.S.

Calculating the strains in the wooden elements of barrels for
liquids. Der.prom. 11 no.5:15-16 My '62. (MIRA 15:5)
(Barrels) (Strains and stresses)

SOBOLEV, Yu.S.

Method of multipoint measurement of longitudinal deformation of
wood subjected to compression. Zav.lab. 28 no.5:613-614 '62.
(MIRA 15:6)

1. Moskovskiy lesotekhnicheskij institut.
(Wood--Testing) (Deformations (Mechanics))

SOBOLEV, YU. V.

AID P - 5220

Subject : USSR/Aeronautics - meteorology
Card 1/1 Pub. 135 - 6/26
Authors : Belousov, V. M., Eng.-Lt. Col., Yu. V., Sobolev, Eng.-Maj.,
and S. M. Sadovskiy, Eng.-Maj.
Title : Our experience in meteorological safeguarding of flights
under complex conditions.
Periodical : Vest. vozd. flota, 11, 28-33, N 1956
Abstract : Organization of meteorological service for the safe-
guarding of flights in Soviet Air Force units is described
by the authors. The article is of informative value.
Institution : None
Submitted : No date

SOBOLEV, Yu.V., aspirant

Investigating stability of eccentrically compressed steel bars
with dissimilar eccentricities. Nauch.dokl.vys.shkoly; stroi.
no.2:143-153 ' 58. (MIRA 12:1)
(Steel, Structural)

SOBOLEV, Yu. V. Cand Tech Sci -- (diss) "Study of the ~~maximum~~ carrying capacity of compression-bent steel rods." Mos, 1959. 21 pp with ~~■~~ graphs (Min of ~~Higher~~ and Secondary Specialized Education RSFSR. Mos Order of Labor Red Banner Construction Engineering Inst im V. V. Kuybyshev), 150 copies (KL, 46-59, 138)

42
-43-

SOBOLEV, Yu.V. (Moskva)

Calculation of the maximum bearing capacity of an eccentrically
compressed bar. Stroi.mekh.i rasch.soor. 3 no.2:29-34 '61.
(MIRA 14:5)

(Elastic rods and wires)

SOBOLEV, Yu.V. (Moskva)

Calculation of graduated columns. Stroi. mekh. i rasch. soor.
4 no.2:30-36 '62. (MIRA 15:5)

(Columns)

KOMI...; SKRYPIN, I.E., Insh.

... of the operation of track circuits in sectors with reinforced
... Avtom., telegram 1 sviaz' 9 no.7:12-14 J1 '65.
(MIRA 18:8)

SOBOLEV, Z.A. (st. Inskaya)

Protecting blades for snow-removal machinery. Put' i put. khoz.
no.9:42 S '58. (MIRA 11:9)
(Railroads--Snow protection and removal)

SOBOLEVA, A., mladshiy nauchnyy sotrudnik (Tashkentskaya oblast')

Virus is transferred by seeds. Zashch. rast. ot vred. i bol.
10 no.5:59 '65. (MIRA 18:6)

1201 1. N. A.A., sanitarnyy vrach; SGBOLEVA, A.A., sanitarnyy vrach;
AUB-SHEO, A.K., sanitarnyy vrach

Prevention of epidermophytosis in bath houses and swimming pools.
M. i sen. 22 no.4:71-73 Ap '57. (MLRA 10:9)

1. iz sanitarno-epidemiologicheskoy stantsii Zhdanovskogo rayona
Leningrada

(SWIMMING POOLS

ringworm control (Rus))

(PUBLIC HEALTH,

bath houses, prev. of ringworm (Rus))

(RINGWORM, prevention and control,

in bath houses & swimming pools (Rus))

SAKSIN, V.F.; SOBOLEVA, A.A.

Iodometric determining of indium. Khim. i khim. tekhn. 1:
229-231 '62. (MIRA 17:2)

SOBOL'EV, A.B.

I-2

USSR/Physiology of Plants. Photosynthesis.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1133.

Author : Soboleva, A.B.

Inst : Khar'kov University.

Title : The Chlorophyll and Carotene Content of Leaves and Plants.

Orig Pub: Uch. zap. Khar'kovsk. un-t, 1956, 72, 29-36.

Abstract: In graftings between Marglob tomatoes and Delikates eggplants the content of chlorophyll (Getri's method with Godnev and Terent'yev's modification) and carotene (Savinov and Lushchenskaya's method) was determined by using an electrocolorimeter over the whole of the vegetation period both at the place of the graft and in the seed generation deriving from numerous graftings in the second (from the top) pair of leaves. The tomatoes contained more pigments than the eggplants. The maximum pigment content was noted in the flowering phase. In grafts of the direct and inverse combinations of graftings a lowering of the pigment con-

Card : 1/2

-18-

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1133.

tent, in comparison with the control, was noted. When the place of the graft was used [for the measurements] the changes were greater in the growth of the germinated seeds and of the two cotyledons than in the flowering phase. Increasing the number of graftings led, in eggplants, to an augmentation of the quantity of pigments, and in tomatoes, to their decrease. In the seed generations of from one- to four-fold graftings the content of chlorophyll and carotene in the leaves, and the content of carotene in the fruits fell by comparison with the control in tomatoes, and increased in eggplants.

Card : 2/2

-19-

SOBOLEVA, A.D.

"Concerning the Morphological Modifications of Lymphatic Glands in Cases of Prolonged Suppuration." Thesis for degree of Cand. Medical Sci. Sub 13 June 50, Acad Med. Sci. USSR.

Summary 71, 4 Sept. 52. Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec. 1950.

KRAYEVSKIY, N.A. (Moscow); SOBOLEVA, A.D. (Moscow); BAGDASAROV, A.A., chlen-korrespondent Akademii meditsinskikh nauk SSSR, direktor.

Patho-anatomic characteristics of leucoses and problems of their classification. Arkh.pat. 15 no.3:22-32 My-Je '53. (MLRA 6:11)

1. Tsentral'nyy ordena Lenina institut gematologii i perelivaniya krovi.
2. Akademiya meditsinskikh nauk SSSR (for Bagdasarov). (Leucosis)

SOBOLEVA, A.D. (Moscow); DAVYDOVSKIY, I.V., deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, zaveduyushchiy.

Rupture of the interventricular septum due to myocardial infarct. Arkh.pat.
15 no.4:78-81 J1-Ag '53. (MLA 6:11)

1. Kafedra patologicheskoy anatomii II Moskovskogo meditsinskogo instituta im. I.V.Stalina. 2. Akademiya meditsinskikh nauk SSSR (for Davydovskiy).
(Heart--Inarction)

SOBOLEVA, A.D.

Modifications in the lymph nodes in prolonged suppuration of wounds in the light of the theory of traumatic exhaustion.
Arkhn.pat. 17 no.1:62 Ja-Mr '55. (MLRA 8:10)

1. Iz kafedry patologicheskoy anatomii (zav.-deystvitel'nyy chlen AMN SSSR I.B.Davydovskiy) II Moskovskogo meditsinskogo instituta imeni I.B.Stalina.)

(WOUNDS AND INJURIES, pathology,

lymph node pathol. in prolonged suppuration)

(LYMPH NODES, pathology,

in wound prolonged suppuration)

EXCERPTA MEDICA Sec.5 Vol.9/10 Gen.Pathology Oct 56

3000. SOBOLEVA A.D. Moscow. "Pulmonary changes in leucosis following modern therapy (Russian text) ARKH. PATOL. (Moscow) 1956, 13/1 (54-56)

Investigations covered 25 leucotic deaths (19 died of chronic myelosis and 6 of lymphadenoma). The patients had been treated with urethane, embichine and by X-rays. The characteristic leucostasis in the pulmonary vessels and capillaries was completely lacking; hilar lymph nodes were seldom affected (2 cases). Modern treatment of leucosis often causes destructive vascular changes in the pulmonary circulation, with plasmorrhagia, pulmonary infarction and erythrocytic haemolysis. Another striking feature was the frequent occurrence of corpora amylacea which may be breakdown products from alveolar epithelial cells.

Brandt - Berlin (V, 15, 16)

EXCERPTA MEDICA Sec.5 Vol.10/4 Gen.Pathology Apr 57

1121. SOBOLEVA A.D. Lab. of Prof. Davidoff, Moscow. *Relationships between pulmonary tb and leucosis (Russian text) ARKH. PATOL. 1956, 18/4 (26-28) Tables 1

Among the 352 cases of leucosis (1950-1953) encountered in pathological institutes in Moscow (autopsies on children excluded), tb was simultaneously present in only 39 (11%). Exudative-cavitary forms of tb were scarce, which is attributed to a decreased leucocytic reaction and to obstruction of the lymphatic ducts in leucosis. The tuberculous process leads to a severe and atypical course of the leucosis. So-called 'rejuvenescence of the leucosis' is not a specific phenomenon of tb, but is also observed in urethan therapy or embichin therapy. Brandt - Berlin (V, 15, 16)

YESIPOVA, I.K., SOBOLEVA, A.D.

A case of unusual congenital cardiac defect (ventricular dextro-division with tricuspid atresia) with absence of the spleen and location of the liver of the left side [with summary in English]
Arkhn.pat. 20 no.5:72-76 '58 (MIRA 11:6)

1. Iz patologoanatomicheskoy laboratorii Instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N. Bakulev).
(CARDIOVASCULAR DEFECTS, CONGENITAL, case reports,
ventric. dextro-division with tricuspid atresia,
absence of spleen & left liver location (Rus))
(LIVER, abnormalities,
left location with ventric. dextro-division, tricuspid
atresia & absence of spleen (Rus))
(SPLEEN, abnormalities,
absence with ventric. dextro-division, tricuspid
atresia & left location of liver (Rus))

MESHALKIN, Ye.N., SOBOLEVA, A.D. (Moskva)

Unusual case of cardiac diverticulum in a 6-year-old girl.
[with summary in English]. Arkh.pat. 20 no.9:74-78 S'58 (MIRA 11:10)

1. Iz patologoanatomicheskoy laboratorii (zav. - prof.I.K. Yesipova).
Instituta grudnoy khirurgii AMN SSSR (dir. - akademik A.N. Bakulev)
(HEART, diverticula,
case in child (Rus))

GENIN, N.M. (Moskva, ul. Arbat, 54/2, kv.158); KOLESNIKOV, S.A.;
SOBOLEVA, A.D.; CHUKAREVA, G.A.

Mechanism of the formation of secondary mitral stenosis following commissurotomy. Grud.khir. 1 no.1:41-47 Ja-F '59.

(MIRA 13:6)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov)
Akademii meditsinskikh nauk SSSR.

(MITRAL VALVE--DISEASES)

SOBOLEVA, A.D. (Moskva)

Specific pulmonary lesions in leukemias. Arkh.pat. 21 no.5:30-34 '59.
(MIRA 12:12)

1. Iz laboratorii deystvitel'nogo chlena AMN SSSR prof. I.V. Davy-
dovskogo.

(LEUKEMIA, pathol.

lungs, autopsy findings (Rus))

(LUNGS, pathol.

in leukemia, autopsy findings (Rus))

SOBOLEVA, A.D.

Disorders of the lymphatic system of the lungs in leukemia; a method
for staining the lymphatic vessels. Arkh. pat. 21 no.12:65-68 '59.

(MIRA 13:12)

(LEUKEMIA)

(LYMPHATICS)

(STAINS AND STAINING (MICROSCOPY))

SOV/32-25-2-28/78

7(6)

AUTHORS: Gumilevskaya, G. P., Soboleva, A. D.

TITLE: The Determination of the Annealing Period of Molding Powder After the End of Luminescence (Opredeleniye dlitel'nosti prokalivaniya pressporoshkov po ischeznoventiyu lyuminestsentsii)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2, pp 182 - 184 (USSR)

ABSTRACT: The properties of molding powders for coal electrodes are due to the annealing process; the amount of volatile components is proportionate to that of the binding substance. Annealing is done in a muffle furnace at $820 \pm 20^\circ$ for 30 minutes. A "short-cut" method is described in the present paper. The criterion for the volatile substance content is their luminescence. When irradiated with ultraviolet rays malthenes exhibit yellow-amber, asphaltene dark brown luminescence, while carbenes do not luminesce at all. The time required for complete calcination is marked by the moment when luminescence of the coke residue ceases. The luminescence was determined on an apparatus (Fig) with a PRK-2 lamp.

Card 1/2

The Determination of the Annealing Period of Molding
Powder After the End of Luminescence

SOV/32-25-2-28/78

Molding powder made of a soot-pitch mixture Nr 1 was examined, annealing being carried out at $820 \pm 20^\circ$ for 5, 10, 20 and 30 minutes (Table 1). Reference analyses were carried out in two laboratories by laboratory workers Girina, Kolkina and Timakova. Maximum deviations amounted to 4.8%, the mean square deviation to 3.8-3.6% (Table 2). It was found that with an optimum annealing period of 10 minutes the accuracy of determination is increased by the use of a crucible support (suggested by A. V. Kuznetsova). There are 1 figure, 2 tables and 1 Soviet reference.

Card 2/2

YESIPOVA, I.K.; KOGOY, T.F.; SOBOLEVA, A.D.; CHEKAREVA, G.A.

Regeneration of the mitral valve following commissurotomy to correct a rheumatic defect. Khirurgiia 35 no.1:105-112 Ja '59.

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.N. Bakulev) i kafedry patologicheskoy anatomii (zav. - prof. I.V. Davydovskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(COMMISSUROTOMY,

mitral, postop. regen., autopsy data (Rus))

SOBOLEVA, I.A.D. (Moskva, Leninskiy prospekt, d.13, kv.7)

Changes in the afferent vessels of the liver under conditions of
venous stasis in the vena cava inferior. Grud. khir. 2 no.5:
64-71 S-O '60. (MIRA 16:5)

1. Iz instituta eksperimental'noy biologii i meditsiny (dir. - prof.
Ye.N.Meshalkin, nauchnyy rukovoditel' - prof. I.K.Yesipova) Sibirskogo
otdeleniya AN SSSR.

(LIVER--BLOOD SUPPLY) (VENA CAVA--DISEASES)

GEL'SHTEIN, G.G.; YESIPOVA, I.K.; IVANITSKAYA, M.A.; KYANDARYAN, K.A.;
SAVEL'YEV, V.S.; SOBOLEVA, A.D.

Congenital defect in the development of the tricuspid valve
(Ebstein's disease). Klin. med. 38 no. 2:129-136 F '60.
(MIRA 14:1)
(TRICUSPID VALVE--ABNORMALITIES AND DEFORMITIES)

GEL'SHTEIN, G.G.; IVANITSKAYA, M.A.; LAGUTINA, A.I.; SAVEL'YEV, V.S.;
SOBOLEVA, A.D.; FROLOVA, L.F.

Rare congenital heart defect - cor triloculare viatriatum. Klin.
med. 38 no.6:129-135 J: '60. (MIRA 13:12)
(HEART--ABNORMALITIES AND DEFORMITIES)

GLADKOVA, M.A.; SOBOLEVA, A.D.; PIROGOV, A.I.

Metastases of lung cancer into the lymph nodes of the thoracic cavity. Grud. khir. 1 no.5:59-65 S-O '61. (MIRA 15:3)

1. Iz legochnogo otdeleniya (zav. - doktor meditsinskikh nauk Ye.S. Lushnikov) Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev). Adres avtorov: Moskva, Leninskiy prosp., d.8 Institut grudnoy khirurgii AMN SSSR.

(LUNGS--CANCER)
(LYMPHATICS---CANCER)

SOBOLEVA, A. D.; KOGAN, R. P. (Moskva)

Rare congenital heart defect accompanied by glomerulonephritis.
Ark. pat. no. 6:72-74 '61. (MIRA 14:12)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. -- prof. A. A. Busalov) i gorodskoy klinicheskoy bol'nitsy No. 1 imeni N. I. Pirogova (glavnyy vrach -- zaslushennyy vrach RSFSR L. D. Chernyshov)

(HEART--ABNORMALITIES AND DEFORMITIES)
(KIDNEYS--DISEASES)

SOBOLEVA, A.D.

Sources of pulmonary leukemic infiltrations in leukosis; on the problem of the pulmonary hemopoietic function. Probl.gemat.i perel.krovi 6 no.4:24-29 Ap '61. (MIRA 14:6)

1. Iz Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.N. Meshalkin) Sibirskogo otdeleniya AN SSSR i Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A. I. Bagdasarov). Ministerstva zdavookhraneniya SSSR.
(LEUKEMIA) (LUNGS)

SOBOLEVA, A.D.

Reactive characteristics of pulmonary connective tissues under
different pathological conditions. Izv. Sib. otd. AN SSSR
no.10:148-149 '61. (MIRA 14:12)

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR, Novosibirsk.
(Lungs—Diseases)
(Connective tissues)

SOBOLEVA, A.D.; GEL'SHTEYN, G.G.; KFITILEVA, L.M.

Arteriovenous aneurysm of the right branch of the pulmonary artery
arising as a result of congenital heart defect - sinistral
division of the cardiac bulb. Arkh. pat. 23 no. 1:78-81 '61.
(MIRA 14:1)

(HEART—ABNORMITIES AND DEFORMITIES) (FISTULA)
(PULMONARY ARTERY—ABNORMITIES AND DEFORMITIES)

SOBOLEVA, A.D. (Novosibirsk)

Organ-specific characteristics of reactions of pulmonary connective tissue in leukemia, cancer, and nonspecific chronic inflammation. Arkh. pat. no.12:26-32 '62. (MIRA 18:1)

1. Iz laboratorii patologicheskoy morfologii (zav. - Yu.G. TSellarius) otдела eksperimental'noy biologii i patologii (zav. - prof. I.K.Yesipova) Instituta eksperimental'noy biologii i meditsiny (direktor prof. Ye.N.Meshalkin) Sibirskoye otdeleniye AN SSSR.

SOBOLEVA, Ariadna Dmitriyevna; TSELLARIUS, Yu.G., kand. med. nauk,
otv. red.; SNITSARENKO, A.A., red.

[Pathological anatomy of the lungs in leukemia] Patologi-
cheskaia anatomia legkikh pri leukoze. Novosibirsk, Red.
izd. otel Sibirskogo otd-nia AN SSSR, 1964. 229 p.
(MIRA 17:8)

KOLESNIKOV, S. A.; SOBOLEVA, A. D.; CHEKAREVA, G. A. (Moskva)

Histogenesis of the structure of the heart in tetralogy of Fallot
(dextroposition of the bulbus of the heart). Arkh. pat. no.7:
62-67 '61. (MIRA 15:4)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A.
Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) i
kafedry patologicheskoy anatomii (zav. - deystvitel'nyy chlen
AMN SSSR prof. I. V. Davydovskiy) II Moskovskogo meditsinskogo
instituta imeni N. I. Pirogova.

(TETRALOGY OF FALLOT)

VOLKOVA, L.I.; SOBOLEVA, A.M.; ADAMOVA, T.K.

Raising geese in Latvia. Ptitsevodstvo 9 no.2:16-17 F '59.
(MIRA 12:3)

1.Direktor Rezeknenskoj inkubatorno-ptitsevodcheskoy stantsii
(for Volkova). 2.Direktor Daugavpilsskoj inkubatorno-ptitsevodcheskoy
stantsii (for Soboleva). 3.Glavnyy zooteknik respublikanskoy kontory
inkubatorno-ptitsevodcheskoy stantsii (for Adamova).
(Latvia--Geese)

SOBOLEVA, A. P.; NEGRI, B. S.;

Irrigation Farming - Ukraine

Feed supply for south Ukrainian steppes under irrigation. Korm. baza 3 no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

COUNTRY: USSR
 CATEGORY: M
 CULTIVATED PLANTS. Grains. Leguminous Grains.
 AND. SOURCE: Tropical Cereals
 REF. JOUR. BIOLOGIYA, NO. 4, 1959, No. 15634
 AUTHOR: Podlinyayev, V.P.; Soboleva, A.P.
 INST.: Ukr. Sci. Res. Inst. of Irrigated Agriculture
 TITLE: Rice with Periodic Waterings.

ORIG. PUB.: Byul. nauchno-tokhn. Inform. Ukr. n.-l. in-t
 troshayemogo zemled., 1957, No.3, 18-21
 ABSTRACT: Findings of eight-year experiments of the
 Brilevskaya experimental station. The highest
 crop-yield of rice, 35.4 centners/hectare,
 was obtained under irrigation (11 water-
 ings a season on the average) with the mean
 watering rate of 420 m³/hectare. In
 combatting contamination of sowings, the
 two-strip method is the most rational
 way of seeding. Soil moisture content at the
 50-cm layer must be maintained at a 60 %

CARD: 1/2

52

VLASENKO, V.M.; PISAREV, V.F.; SOBOLEVA, A.S.; KHARLAMOV, V.V.;
YUZEFOVICH, G.Ye.

Industrial catalytic purification of a nitrogen-hydrogen mixture
by the removal of carbon monoxide and carbon dioxide. Khim.
prom. no.8:583-586 Ag '63. (MIRA 16:12)

109-5-21/22

AUTHOR: YELINSON, M.I., YASNOPOL'SKAYA, A.A.

TITLE: Interdepartmental Seminar for Cathode Electronics. (Mezhduvedomstvennyy seminar po katodnoy elektronike, Russian)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol 2, Nr 5, pp 666-668 (U.S.S.R.)

ABSTRACT: At the 4. meeting held on the 4.3.1957 lectures were delivered on the autoelectron emission.

- 1.) M.I.YELINSON showed that the present conceptions concerning the molter effect process are not able to explain all known experimental facts. The lecturer suggested a new point of view (explained in detail in Radiotekhnika i Elektronika, 1957, Vol 2, Nr 1, p 75), which is based on an assumed essential heterogeneous potential distribution within the dielectric plate.
- 2.) V.N.SHREDNIK dealt with measurements carried out concerning the zirconium work function in tungsten.
- 3.) A.S.SOBOLEVA spoke about the investigation of autoelectron emission in dependence on hydrogen pressure in a device consisting of a flat anode and a conical or semispherical cathode.
- 4.) V.A.SIMONOV investigated the discharge process in the vacuum in the presence of a subignition spark.

Card 1/2

109-5-21/22

Interdepartmental Seminar for Cathode Electronics.

- 5.) I.N.SLIVKOV described the investigation of breakdown in the vacuum in the case of flat and spherical steel electrodes.
- 6.) A.I.KLIMIN reported on the investigations in the electron projector.
- 7.) G.A.BOGDANOVSKIY spoke about the measuring of resistance on a tungsten contact when opening the electrodes.

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED: 25.3.1956
AVAILABLE: Library of Congress
Card 2/2

SOBOLEVA, A.S., Cand Tech Sci -- (diss) "Study of
electrical stability of ^{the} plate-grid chamber of a high-
voltage hydrogen ^{thyatron} ~~thyatron~~." [Mos] 1958, 9 pp.
(State Committee of ~~State~~ ^{Academy} of Ministers USSR ~~for~~ ^{for} Radio
Electronics. State Union Sci Res Inst) 120 copies
(KL, 21-58, 91)

from hydro. unit to back of box

66702
SOV/100-4-3-22/35
S. B. LUK'YANOV, A. S.

24/3/80
AUTHORS: Granovskiy, V.I., Luk'yanov, S.Yu., Spivak, G.V. and
Shtanko, I.G.

TITLE: Report on the Second All-Union Conference on Gas
Electronics

PERIODICAL: Radiotekhnika i elektronika, 1959, Vol. 4, No. 8,
pp 1339 - 1358 (USSR)

ABSTRACT: The conference was organized by the Acad. Sci. USSR, the
Ministry of Higher Education and Moscow State University.
Formation of a breakdown, "Methods of Reducing the Energy Lost in the
pre-breakdown Currents Between Metal Electrodes in High
Vacuum".

T.B. Fogel'son - "Methods of Reducing the Energy Lost in the
pre-breakdown Currents Between Metal Electrodes in High
Vacuum".

V.A. Simonov and G.E. Katukov - "Investigation of the
Processes of Initiation and Development of a High-voltage
Discharge in Vacuum".

B.M. Reykhel and G.Y. Samitskiy - "The Character-
istics of Ignition in High-vacuum in Magnetic Fields".

K.Ya. Tarasov et al. - "The Mechanism of the electrode
material during the pre-breakdown stage in vacuum".

H.B. Rozanov et al. - "The Motion of Micro-particles of
submicron size in electric breakdown in vacuum".

The third section dealt with the problems of electric
sparks, corona and theoretical applications. It was
presided over by I.S. Stokol'nikov. The following papers
were read:

V.I. Lavitov et al. - "Probe Investigation of the a.c.
Corona Fields".

G.N. Aleksandrov - "Elementary Processes in the Ionization
Zone of Corona-type Conductors at Atmospheric Pressure".

I.A. Burdakov - "Appearance of a Corona Discharge in
Hydrogen and Nitrogen".

M. Chislov et al. - "Some Properties of the Corona
Discharge in Hydrogen in Coaxial, Cylindrical System".

A.S. Sobolova and B.N. Kiyarfeld - "Appearance of Discharge
Mechanism Between a Point and a Plane at Gas Pressures of
 $10^{-3} - 1.0 \text{ mm Hg}$ ".

I.Yu. Repetskiy et al. - "Methods of Unipolar Ionization of
Air by Means of Aero-ionizers (see p 1335 of the Journal)".

M.G. Fomichov et al. - "Time Spectra of the Radiation of
the Spark Discharge in Inert Gases" (see p 1384 of the
Journal).

M.P. Vanyukov and A.A. Mak - "Production of High
Temperatures by Means of Spark Discharges".

V.A. Partavatin - "Influence of the Magnetic Field of
the Electric Discharge on the Dividing Surface of Two Media".

I.S. Stokol'nikov - "New Data from the Study of Long
Sparks".

M.I. Syanov - "Properties of the Breakdown of Compressed
Air in a Comparatively Uniform Field in the Presence of
Localized Non-uniformities".

A.A. Vorob'yev et al. - "Pulse and Oscillographic
Techniques for the Measurement of the Discharge Lag
in Dielectric Materials" (see p 1357 of the Journal).

A paper by B.N. Zolotarev dealt with the problem of the
breakdown theory of the electric erosion (see p 1330 of the
Journal).

The fourth section was presided over by S.Yu. Luk'yanov
and was concerned with the non-stationary and low-
frequency discharges. The following papers were read:

I.G. Nakrashevich and A.A. Labud - "The Nature of the
Current Interruption During the Electric Explosion of
a Metal Wire".

V.A. Simonov - "Propagation of Plasma from Local Pulse
Sources".

G.G. Timofeyev et al. - "Observation of an Electro-
dynamically Compressed Arc by Means of an Electron-optical
System".

M.G. Keldin and Ya.Ya. Yushmanov - "Investigation of
the Radial Electric Field in an Ion Magnetron".

V.A. Belikov and M.K. Romanovskiy - "Experiments with an
Electron Model of a System with Magnetic Samples".

A.M. Andrienov et al. - "Distribution of Magnetic and Electric
Fields in Powerful Pulse Discharges".

G.N. Harding (England) - "Spectroscopic Determination
of the Plasma Temperature in the 'Zeta' Equipment"
(see p 1356 of the Journal).

The paper by Harding aroused a lot of interest and
Academician V.A. Arshinov expressed the opinion that
the electrons and ion temperature in the 'Zeta' should
be of the same order of magnitude, according to Harding,
the electron temperature is of the order of 10⁴ K, while
of the ions

Card 7/15

SHEVCHIK, V.N.; SHELOV, G.N.; SOBOLEVA, A.V.; Primala uchastiye
TRUBETSKOV, D.I., aspirant; VIINIKOVA, I.A., red.; ZENIN,
V.V., tekhn. red.

[Oscillatory and wave effects in electron currents at super-
high frequencies] Volnovye i kolebatel'nye iavleniia v elektron-
nykh potokakh na sverkhvysokikh chastotakh. Saratov, Izd-vo
Saratovskogo univ., 1962. 334 p. (MIRA 15:10)
(Microwaves) (Electromagnetic waves) (Microwave tubes)

SOBOLEVA, A.V.

Effect of B, Co and Mn on the nitrogen content of leaves and oil in

seeds after their separate and joint use in the foliar feeding of
sunflowers. Fiziol. rast. 10 no.6:719-721 N-D '63. (MIRA 17:1)

1. A.M. Gorky Scientific Research Institute of Biology, Kharkov State
University.

IA 02/49769

SOLOVEVA, A. V.

USER/Medicine - Digitalis Therapy Mar 49
Heart, Electrocardiography

"Electrocardiographic Changes Brought About by
Digitalis Therapy," A. V. Soloveva, Faculty
Clinic of Therapeutics, First Leningrad Med
Inst Imeni Acad I. P. Pavlov, 5 3/4 pp

"Clin Med" No 3

Discusses various changes in the auricular and
ventricular complexes in different types of
cardiopathy. Appearance of single extrasystoles
and moderate retardation of auriculoventricular
conductivity does not call for interruption of

65/49769

USER/Medicine - Digitalis Therapy Mar 49
(Contd)

the treatment, nor are changes in the ends of
the ventricular complexes contraindications.
The changes are due to other sources of dis-
turbance.

65/49769

SHERMAN, S. G.; SOBOLEVA, A. V.; VELIKSON, I. M.; MAKHLINA, V. B.

Lungs - Diseases

Clinico-functional method of determination of the state of respiratory insufficiency in chronic non-tuberculous pulmonary diseases. Klin. med. 30 no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

SOBOLEVA, A.V.

Certain cardiovascular function tests in chronic coronary insufficiency. Klin. med., Moskva 30 no. 6:70-75 June 1952. (GLML 22:5)

1. Candidate Medical Sciences. 2. Of Leningrad Scientific-Research Institute for Certification of Working Capacity and Work Placement of Invalids (Director -- Prof. V. M. Shaverin).

IVANOV, A.A.; KOSINSKAYA, N.S.; SOBOLEVA, A.V.; SADOV'YEV, A.I.; KHRUSTINA, S.B.

Evaluation and prognosis of working capacity in cases of late sequelae of heart wounds. Sov.med. 20 no.12:8-14 D '56. (MLRA 10:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i trudoustroystva invalidov. (dir. - dotsent A.A. Ivanov)

(HEART, wounds and injuries
estimation & progn. of work capacity)

(WORK, in various dis.
capacity, estimation & progn. in wds. of heart)

IVANOV, A.A.; SOBOLEVA, A.V. (Leningrad)

~~Electrocardiographic changes in late sequelae of heart trauma.~~
Klin.med. 34 no.10:20-27 O '56. (MLRA 10:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy
trudospособnosti i trudustroystva invalidov.

(HEART, wounds and inj.

late seq. ECG)

(ELECTROCARDIOGRAPHY, in various dis.

late seq. of trauma of heart)

SOBOLEVA, A.V. (Leningrad)

Late electrocardiographic changes following pneumonectomy and partial resection. Report No.1. Klin.med. 35 no.6:77-83 Je '57.
(MLRA 10:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i trudoustroystva invalidov (dir. - dotsent A.A. Ivanov [deceased])

(PNEUMONECTOMY

ECG in remote postop. periods)

(ELECTROCARDIOGRAPHY

in remote periods after pneumonectomy)

PIS'MENNYI, Rafail Yakovlevich; SOBOLEVA, Antonina Vasil'yevna;
SHTUTSKER, N.V., red.; BOGACHEVA, Z.I., tekhn.red.

[Electrocardiography in disability evaluation] Elektro-
kardiografiia v praktike ekspertizy trudosposobnosti.
Moskva, Gos.izd-vo med.lit-ry, 1959. 155 p. (MIRA 12:8)
(DISABILITY EVALUATION) (ELECTROCARDIOGRAPHY)

SOBOLEVA, A.V., kand.med.nauk

Condition of the myocardium in chronic nonspecific pneumonia
as revealed by electrocardiographic data. Trudy LISTIN 2:97-
105 '59. (MIRA 13:7)

(PNEUMONIA) (HEART) (DISABILITY EVALUATION)

SOBOLEVA, A.V., kand.med.nauk

Significance for disability evaluation of dystrophic changes
in the myocardium in bronchiectasis. Trudy LIETIN 2:106-111
'59. (MIRA 13:7)
(DISABILITY EVALUATION) (HEART) (BRONCHIECTASIS)

KHVILIVITSKAYA, Mariya Iosifovna. Prinimali uchastiye: ADAMOVA, A.V.; BO-GOMAZOVA, V.P.; KALININA, Ye.V.; LIKHNITSKAYA, I.I.; MIKIRTUMOVA, Ye.V.; MIKHAYLOVA, N.F.; NIKIFOROVA, O.A.; SADOV'YEV, A.I.; SEL'KOV, Ye.A.; SOBOLEVA, A.V.; UL'YANOVA, L.S.; KHRUSTINA, S.B.; DEMBO, A.G., red.; KHARASH, G.A., tekhn. red.

[Adjustment of the body following pulmonary resection] O prispособliaemosti orgsnizma posle rezektsii legkogo. Leningrad, Gos. izd-vo med. lit-ry Medgiz, 1960. 170 p. (MIRA 14:9)

1. Kollektiv klinicheskogo otdela Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (for all except Khvilivitskaya, Dembo, Kharash). (LUNGS—SURGERY)

SOBOLEVA, A.V., kand.med.nauk

Characteristics of the electrocardiogram in hypertension in
elderly and senile persons. Trudy LIETIN no.4:124-131 '60.
(MIRA 16:2)
(GERIATRICS) (HYPERTENSION) (ELECTROCARDIOGRAPHY)

BALONOV, L.Ya.; SOBOLEVA, A.V.

Cardiac conditioned reflexes during various forms of atrioventricular block. Zhur. vys. nerv. deiat. 10 no. 5:676-684 S-O '60.
(MIRA 13:12)

1. Institut evolyutsionnoy fiziologii im. I.M. Sechenova Akademii nauk SSSR i Leningradskiy institut trudoustroystva i trudovoy ekspertizy.

(HEART BLOCK) (CONDITIONED RESPONSE)

SOBOLEVA, Antonina Vasil'yevna; KEDROV, A.A., red.

[Electrographic methods of examination in the expertise for work capacity in diseases of the cardiovascular system; methodological fundamentals] Elektrograficheskie metody issledovaniia v ekspertize trudosposobnosti pri zabolevaniakh serdechno- sosudistoi sistemy; metodicheskie osnovy. Leningrad, Meditsina, 1964. 94 p.
(MIRA 17:6)

SOBOLEVA, A.V., starshiy nauchnyy sotrudnik

Electrocardiographic data in coronary atherosclerosis in elderly
and senile persons. Trudy LIETIN no.16:236-241 '64.

(MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut ekspertizy
trudosposobnosti i organizatsii truda invalidov.

ACC NR: AR7000946

SOURCE CODE: UR/0275/66/000/011/A016/A016

AUTHOR: Sobolev, G. H.; Soboleva, A. V.

TITLE: Some specific features of the mechanism of changing the frequency by voltage in solid-plate magnetrons

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 11A113

REF SOURCE: Sb. Vopr. elektron. sverkhvysok. chastot. Vyp. 2, Saratov, Saratovsk, un-t, 1966, 116-128

TOPIC TAGS: magnetron, electron energy, frequency change, solid plate magnetron

ABSTRACT: The tubes investigated differ in the design of the output terminal (O). The latter has the shape of a slot with a strip line in the glass version, or of a symmetrical crown in the metallic version. The following results were obtained: 1) in all the tubes, the dependence of frequency on voltage is of a linear nature. Frequency changes can be made within a wide range. Measurements with a matched load, yield oscillations of one made in tubes with pin type output terminals. Varia-

Card 1/2

UDC: 621.385.64

SHKOL'YA, A. G.

On accumulation in cornflower seeds in the process of their formation under the influence of suppressing with herb and gibberellin. Dokl. Akad. Nauk. SSSR, 1964, 194: 1941-1942.

1. A. G. Shkol'ya. Doklady Akademii Nauk SSSR. Seriya biologicheskaya. 1964, 194: 1941-1942. Submitted July 27, 1964.

S/079/62/032/007/002/007

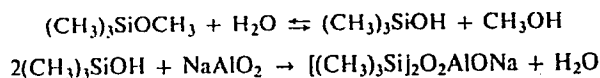
AUTHORS: Kreshkov, A. P., Myshlyayeva, L. V. and Soboleva, D. A.

1032/1232

TITLE: An investigation of the interaction of trimethyl-methoxysilane with an aqueous alkaline solution of sodium aluminate

PERIODICAL: Zhurnal obshchei khimii, v. 32. no. 7, 1962, 2190-2193

TEXT: The reaction of trimethyl-methoxysilane with sodium aluminate in an aqueous solution leads, under certain conditions, to the formation of a crystalline product, sodium bis-(trimethylsilyl)-aluminate. The reaction mechanism is described as:



A side reaction of condensation of trimethyl-silanol into hexamethyl-disiloxane takes place.

The method of preparation of sodium bis-(trimethylsilyl)-aluminate, and the product obtained, results of its structure determination by X-rays, its infra red spectrum, and its properties are given. It crystallises in the form of needles. The birefringent crystals are light polarising; could not be fused, and carbonised when heated. There are 3 figures and 1 table.

ASSOCIATION: Moskovskii khimiko-tekhnologicheskii institut im. D. I. Mendeleyeva (Moscow Chemical-Technological Institute im. D. I. Mendeleyev)

SUBMITTED: July 10, 1961

Card 1/1

S/020/63/148/004/020/025
B144/B101

AUTHORS: Kreshkov, A. P., Myshlyayeva, L. V., Soboleva, D. A.

TITLE: Synthesis of tris-(triphenyl-siloxy) aluminum and tetra-(triphenyl-siloxy) sodium polyalumoxane

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 4, 1963, 843-845.

TEXT: Monomeric tris-(triphenyl-siloxy) aluminum (I) was economically synthesized for the first time from 0.02 M triphenyl-ethoxy silane (II) and 11 g sodium aluminate solution (III): $(C_6H_5)_3SiOC_2H_5 + H_2O \rightarrow (C_6H_5)_3SiOH + C_2H_5OH$; $3(C_6H_5)_3SiOH + NaAlO_2 \rightarrow [(C_6H_5)_3SiO]_3Al + NaOH + H_2O$. A mixture of II obtained by distillation in vacuo at 196-201°C and reprecipitation with petrol ether, along with III containing 19.2% Al_2O_3 and 20.3% Na_2O , was stirred for 40 min without heating and then for 4.5 hrs at 50-60°C. I forming at the surface of the mixture as a white solid substance was separated. The yield was 35% (related to II).

Card 1/3

S/020/63/148/004/020/025
B144/B101

Synthesis of tris-(triphenyl-siloxy) ...

and 1 - 2 (related to the molar Si:Al ratio). I is a nonmelting powder, soluble in diethyl ether and benzene and resistant to alkalis and heat. The product recovered in the filter after extraction of I contained 12.59% SiO₂, 17.96% Al₂O₃, 7.68% Na₂O, 46.34% C and 5.20% H. This yielded the formula $[(C_6H_5)_3SiO]_2AlO \underset{ONa}{[Al-O]_5Al} [(C_6H_5)_3SiO]_2 \cdot 18H_2O$ for

tetra-(triphenyl-siloxy) sodium polyalumoxane (IV), a white powder insoluble in organic solvents and stable to alkalis; yield 55 - 60%. The new substances were subjected to thermal, spectral and x-ray analyses. The thermogram of I revealed 3 exothermic effects corresponding to a subsequent splitting-off of the triphenyl-siloxy groups at 500, 600, and 700°C. This is confirmed by the thermogram of IV which shows two exothermic effects due to the 2 triphenyl-siloxy groups bound to Al and 1 endothermic effect produced by dehydration. The IR spectra indicated an absorption maximum at 1065 cm⁻¹ characteristic of the SiOAl group and further maxima at 700, 740, 997, 1123, 1432, and 1596 cm⁻¹ which are indicative of phenylated silanes and siloxanes. X-ray analysis showed that I and IV have crystalline structure. There are 2 figures.

Card 2/3

Synthesis of tris-(triphenyl-siloxy) ...

S/020/63/148/004/020/025
B144/B101

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut im.
D.I. Mendeleyeva (Moscow Institute of Chemical Technology
imeni D.I. Mendeleyev)

PRESENTED: July 2, 1962, by A.N. Nesmeyanov, Academician

SUBMITTED: June 10, 1962

Card 3/3

L 23512-65 EWT(m)/EPF(c)/EWP(w)/EPR/EWP(j)/T Pr-4/Pc-4/Ps-4 WW/RM

ACCESSION NR: AP4047126

S/0080/64/037/010/2278/2283

AUTHOR: Kreshkov, A. P.; Myshlyayeva, L. V.; Soboleva, D. A.

TITLE: The reactions of certain alkyl-alkyloxy silanes with aqueous alkali zincate and beryllate solutions

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 10, 1964, 2278-2283

TOPIC TAGS: alkylalkyloxysilane, alkylsilanolate zincate, alkylsilanolate beryllate, impregnant, surfactant impregnant, glass cloth impregnant

ABSTRACT: The reactions of trimethylmethoxy silane (I) and of dimethyldimethoxysilane (II) with aqueous alkali solutions of sodium zincate (III) and sodium beryllate (IV) were investigated. Reactions of I with III and IV within a wide molar ratio of the reactants ($\text{Si}:\text{Zn}(\text{Be}) = 2:1, 1:1, 1:2 \text{ and } 1:3$) all gave products having the molecular compositions $6(\text{CH}_3)_3\text{SiONa} \cdot \text{Na}_2\text{ZnO}_2 \cdot 3\text{H}_2\text{O}$ (sodium monozincate of 6-trimethylsilanolate), and $3(\text{CH}_3)_3\text{SiONa} \cdot \text{Na}_2\text{BeO}_2 \cdot 22\text{H}_2\text{O}$ (sodium monoberyllate of 3-trimethylsilanolate), respectively. The

Card 1/2

L 23512-65

ACCESSION NR: AP4047126

2

$3(\text{CH}_3)_2\text{Si}(\text{OH})\text{ONa} \cdot \text{Na}_2\text{ZnO}_2 \cdot 10\text{H}_2\text{O}$ (sodium monozincate of 3-dimethylhydroxylsilanolate) and $3(\text{CH}_3)_2\text{Si}(\text{OH})\text{ONa} \cdot \text{Na}_2\text{BeO}_2 \cdot 22\text{H}_2\text{O}$ (sodium monoberyllate of 3-dimethylhydroxysilanolate) were obtained by reaction of II with III and IV solutions only when the reactant molar ratio was such that Si:Zn(Be) was 4:1. Other reactant ratios gave mixtures of products of variable compositions. The obtained products were subjected to IR spectroscopic, ionizing x-ray and microcrystallographic analyses. The products could be applied to cotton and glass cloth as impregnants in the form of aqueous alcoholic solutions to reduce their adhesion to polymeric materials such as polyvinyl chloride. Orig. art. has: 4 figures ¹⁵

ASSOCIATION: None

SUBMITTED: 02Oct62

SUB CODE: OC, GC

ENCL: 00

NO REF SOV: 010

OTHER: 001

Cord 2/2

L 53889-65 EWT(m)/EPF(c)/EWP(j)/EWA(c) ~~PC-1/Pr-1~~ JW/RM
 ACCESSION NR: AP5014166 UR/0080/65/038/005/1170/1171
 547.245

AUTHOR: Myshlyayeva, L. V.; Soboleva, D. A.

TITLE: Synthesis of poly(triphenylsiloxyalumooxydiphenylcyclooxane)

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 5, 1965, 1170-1171

TOPIC TAGS: polymer, silane, aluminum, organo metallic compound, heterocyclic polymer, resin

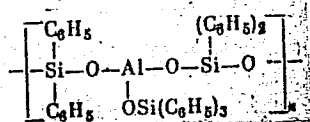
ABSTRACT: Poly(triphenylsiloxyalumooxydiphenylcyclooxane) was synthesized by adding 8 g of alkaline aqueous solution of sodium aluminate (containing 19.2% Al_2O_3 and 20.3% Na_2O) to a mixture of 3 g of triphenylethoxysilane and 2.7 g of diphenyl-diethoxysilane. The reaction mixture was agitated for 2 hours at room temperature and then for 6 hours at 50-60°C. Two products were obtained: a solid benzene-insoluble powder with empirical formula $C_{30}H_{29}Si_2Al$ and a benzene soluble resin with empirical formula $C_{30}H_{29}Si_2Al$. Both of these products as well as a by-product of the synthesis of *tris*-(triphenylsiloxy) aluminum (A. P. Kreshkov, et al., Dokl. Akad. Nauk SSSR, 148, 4, 843, 1963) with empirical formula $C_{120}H_{110}Si_8Al_4$ are

Card 1/2

L 53889-65

ACCESSION NR: AP5014166

noncrystalline according to X-ray examination. The IR absorption spectra of all these three products are identical. A maximum at 1080 cm^{-1} indicates Si-O-Al group and maxima at frequencies of 700, 740, 997, 1123, and 1432 cm^{-1} are characteristic for diphenylsilanes. It is postulated on the basis of the above information that the basic structural unit of these three compounds is:



Orig. art. has: 1 table and 2 formulas.

ASSOCIATION: none

SUBMITTED: 10Nov63

NO REF SOV: 004

ENCL: 00

OTHER: 000

SUB CODE: GC, OC

Card 2/2

LEVITSKIY, V.N., inzh.; SOBOLEVA, E.G., inzh.

Experimental dynamic characteristics of the TP-80 boiler -TPT-
50 turbine block. Teploenergetika 9 no.11:34-36 N '62. (MIRA 15:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut kompleksnoy
avtomatizatsii. (Steam turbines--Testing)

VOYTKEVICH, A.A.; SOBOLEVA, E.L.

Data on the histophysiology of the intermediate lobe of the hypophysis
in connection with hypothalamic neurosecretion. Biul. eksp. biol. i
med. 3[i.e.53] no.3:96-102 Mr '62. (MIRA 15:4)

1. Iz kafedry gistologii i embriologii (zav. - chlen-korrespondent
AMN SSSR prof. A.A.Voytkovich) Voronezhskogo meditsinskogo instituta.
(PITUITARY BODY) (HYPOTHALAMUS)
(NEUROCHEMISTRY)

VOYTKEVICH, A.A.; SOBOLEVA, E.L.

Cytological analysis of the secretory process in the anterior
lobe of the frog hypophysis. Tsitologiya 4 no.6:626-632 M-D'62
(MIRA 17:3)

1. Kafedra gistologii Voronezhskogo meditsinskogo instituta.

SOBOLEVA, E.L.

Effect of experimental influences on the adrenal gland on
changes in the intermediate lobe of the pituitary body. Dokl.
AN SSSR 149 no.5:1237-1240 Ap '63. (MIRA 16:5)

1. Voronezhskiy gosudarstvennyy meditsinskiy institut.
Predstavleno akademikom V.N.Chernigovskim,
(PITUITARY BODY) (ADRENAL GLANDS)

SOBOLEVA, E.I.

Cytological cycle of the intermediate lobe of the pituitary
gland in a frog. Dokl. AN SSSR 158 no.1:245-248 S-0 '64
(MIRA 17:8)

1. Voronezhskiy meditsinskiy institut; Laboratoriya ekspe-
rimental'noy endokrinologii AMN SSSR. Predstavleno akademi-
kom A.I. Kursanovym.

ZHUSHMAN, A.I.; ~~Prinimali~~ uchastiye: SOBOLEVA, F.I.; DOROFYEVA,
T.Ye.; LISINA, L.G.

Studying the processes occurring in the removal by fermentation
of the carbohydrate admixture from wheat and corn gluten. Trudy
TSNIIKPP no.5:38-47 '63. (MIRA 16:7)

(Gluten) (Fermentation) (Carbohydrates)

SOBOLEVA G. A.

USSR/ Physics - Spectral analysis

Card 1/1 Pub. 43 - 36/97

Authors : Soboleva, G. A.

Title : Intensity distribution in spectral lines and the illumination of the spectrograph aperture

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, 266-267, Mar-Apr 1954

Abstract : A study of the intensity distribution in spectral lines of the ISP-22 spectrograph showed that uniform distribution within the lines, regardless of the width of the aperture, can be obtained by sharp reflection of the condenser lens source on the aperture of the spectrograph. Other illumination methods are mentioned at which uniform intensity distribution can be achieved. The basic condition appears to be the equality between the illumination and collimator apertures. Further increase in the illumination aperture was found to lead to the expansion of spectral lines and deterioration in the quality of the spectrum.

Institution : Institute of Precision Mechanics and Optics, Leningrad

Submitted :

SOBOLEVA, G. A.

"Spectrum and Energetic Properties of the Discharge of a DG-1 Generator under Various Operating Conditions." In Higher Education USSR, Leningrad Inst Precise Mechanics and Optics, Leningrad, 1955

(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

SOBOLEVA, G.A.

Investigation of the DG-1 spark generator's performance. Izv.
AN SSSR. Ser. fiz. 19 no.1:74-75 Ja-F '55. (MLRA 8:9)

1. Leningradskiy institut tochnoy mekhaniki i optiki
(Spectrum analysis) (Spectrometer)

~~24(7)~~ 24.3420

66206

AUTHOR:

Soboleva, G.A., Candidate of Technical Sciences
SOV/146-58-6-12/16

TITLE:

Research of Heat Influence on the Spectra Lines Position in Spectrographs ISP-22 and ISP-28

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye, 1958, Nr 6, pp 93-99 (USSR)

ABSTRACT:

The photoelectric method of spectra registration has a number of advantages as compared with the photographic method, and is, therefore, extensively applied. The spectrographs ISP-22 and ISP-28, produced in the USSR, are the most popular in spectral analysis. One of the causes of accuracy diminishing in the photoelectric method is the instability of the spectra position when changing the spectrograph component temperature. The objective of this article is to research the question of temperature influence on the spectra position. The spectrograph prism is made of quartz. The thermal coefficient of linear expansion of quartz varies, depending on temperature; the same applies to its exponent of refraction. These changes

4

Card 1/2

66206

Research of Heat Influence on the Spectra Lines Position in Spectrographs ISP-22 and ISP-28 SOV/146-58-6-12/16

of quartz optical properties entail a variation of the deviation angle (δ) of the rays that go out of the prism, and cause displacement of spectral lines on the photographic plates. Dependence between the angle (δ) and the increase of temperature (Δt) is expressed by formula
$$\Delta \delta_\lambda = \frac{d\delta_\lambda}{dt} \cdot \Delta t$$
 It is to be noted that a

regular displacement of spectral lines on the plate takes place only at the uniform heating of the instrument. An unequal heating of the spectrograph causes an uncontrolled displacement of lines, which may lead to errors in performing the spectral analysis. There are 3 graphs, 3 tables, and 3 references, 2 of which are Soviet and 1 German.

ASSOCIATION:

Leningradskiy institut tochnoy mekhaniki i optiki (Leningrad Institute of Precision Mechanics and Optics)

SUBMITTED:

Card 2/2

February 19, 1958

SOBOLEVA, G. A.

USSR/Chemistry - Biochemistry

Card : 1/1

Authors : Zaprometov, M. N. and Soboleva, G. A.

Title : Investigation of catechin conversions during fermentation of tea by the method of paper-chromatography

Periodical : Dokl. AN SSSR, 96, Ed. 6, 1205 - 1208, June 1954

Abstract : Paper-chromatography was applied in the study of catechin conversions taking place during the process of tea leaf fermentation. During the fermentation of tea leaves the tannic complex is subjected to enzymatic oxidation under the effect of polyphenoloxidase. This oxidation is followed by an increase in molecular weight of the tannic acid and its partial conversion into an insoluble form. Eighteen references. Table, graphs.

Institution : Acad. of Sc. USSR, The A. N. Bakh Institute of Biochemistry

Presented by : Academician A. L. Kursanov, March 4, 1954

SOBOLEVA, G.A.
BOKUCHAVA, M.A.; SOBOLEVA, G.A.

Synthesis and transformation of organic acids in tea seedlings
[with summary in English]. Fiziol. rast. 5 no.1:70-74 Ja-P '58.
(MIRA 11:1)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(Tea) (Acids, Organic)

BOKUCHAVA, M.A., SOBOLEVA, G.A., KNYAZEVA, A.M.

Transformation of tea leaf catechins brought about by high
temperatures [with summary in English]. Biokhimiia 23 no.2
266-268 Mr-Apr '58 (MIRA 11:6)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
 - (HEAT, effects
 - transform. of catechins in tea leaves (Rus))
 - (TEA,
 - heat causing transform, of catechins in tea leaves
 - (Rus))
 - (PHENOLS,
 - catechins in tea leaves, transform. caused by heat
 - (Rus))

SHIPALOV, M.S., BOKUCHAVA, M.A., SOBOLEVA, G.A.

Using a debsutineter in quantitative determination of catechins
separated by paper chromatography. [with summary in English].
Biokhimiia 23 no.3:390-394 My-Je '58

(MIRA 11:8)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(PYROGATECHOL, determination
chromatography with densimetric quantitative determ. (Rus))

SOBOLEVA, G.A.

Quantitative determination of catechols by densitometry. Biokhim.
chain.proizv. no.7:176-181 '59. (MIRA 13:5)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(TEA) (CHROMATOGRAPHIC ANALYSIS) (CATECHOL)

SOROLYVA, G. A. (USSR)

"Formation and Reaction of Organic Acids in the Tea Plant."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

SOBOLEVA, G.A.

Study of the organic acids of the tea plant. Biokhim. chain. proizv.
no.9:20-26 '62. (MIRA 16:4)

1. Institut biokhimii imeni A.N.Bakha SSSR, Moskva.
(Acids, Organic) (Tea)